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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

re Patent Application of

LAFONT et al.

Atty. Ref.: 1721-108

Serial No. 10/561,238

Group: Unknown

Filed: December 19, 2005

Examiner: Unknown

For: PLATFORMS, PARTICULARLY PROSTHESES, HAVING BIOLOGICALLY ACTIVE

COVERINGS

May 31, 2006

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1540

Sir:

SUBMISSION

Submitted herewith is the English translation of the International Preliminary Examination Report issued in the corresponding PCT/FR2004/001528.

Respectfully submitted,

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BY:

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TRAITÉ DE COOPÉRATION EN MATIÈRE DE BREVETS

PCT

RAPPORT PRÉLIMINAIRE INTERNATIONAL SUR LA BREVETABILITÉ (chapitre I du Traité de coopération en matière de brevets)

(règle 44bis du PCT)

Référence du dossier du déposant ou du mandataire CP61017	POUR SUITE À DONNER	Voir le point 4 ci-dessous
Demande internationale no. PCT/FR2004/001528	Date du dépôt international (jour/mois/année) 18 June 2004 (18.06.2004)	Date de priorité (jour/mois/année) 19 June 2003 (19.06.2003)
Classification internationale des breve Voir les informations pertinentes dans	ts (8 ^e edition, sauf indication d'une #dition ant#rieu le formulaire PCT/ISA/237	ure)
Déposant : UNIVERSITE PARIS 5		

1.		nternational sur la brevetabilité (chapitre I) est établi par le Bureau international au nom de cherche internationale selon la règle 44 <i>bis</i> .1.a).
2.	Ce RAPPORT comprend un total	de 7 feuilles, y compris la présente feuille de couverture.
		érence à l'opinion écrite de l'administration chargée de la recherche internationale doit être référence au rapport préliminaire international sur la brevetabilité (chapitre I).
3.	Le présent rapport contient des in	dications relatives aux points suivants :
	Cadre n° I	Base de l'opinion
	Cadre n° II	Priorité
	Cadre n° III	Absence de formulation d'opinion quant à la nouveauté, l'activité inventive et la possibilité d'application industrielle
	Cadre n° IV	Absence d'unité de l'invention
	Cadre n° V	Déclaration motivée selon l'article 35.2) quant à la nouveauté, l'activité inventive et la possibilité d'application industrielle; citations et explications à l'appui de cette déclaration
	Cadre n° VI	Certains documents cités
	Cadre n° VII	Certaines irrégularités relevées dans la demande internationale
	Cadre n° VIII	Certaines observations relatives à la demande internationale
4.		iquera le présent rapport aux offices désignés conformément aux règles 44bis.3.c) et 93bis.1 lai de 30 mois à compter de la date de priorité (règle 44bis.2), sauf si le déposant a présenté une ertu de l'article 23.2).

	Date d'établissement du présent rapport 01 May 2006 (01.05.2006)
Bureau international de l'OMPI 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Fonctionnaire autorisé Beate Giffo-Schmitt
no de télécopieur +41 22 740 14 35	no de téléphone : +41 22 338 87 20

PATENT COOPERATION TREATY

INTERNATIONAL SEARCHING AUTHOR	ITY		· Ph
То:			PCT PCT
			RITTEN OPINION OF THE CONAL SEARCHING AUTHORITY
			(PCT Rule 43bis.1)
		Date of mailing (day/month/year)	
Applicant's or agent's file reference CP 61017		FOR FURTHER	ACTION See paragraph 2 below
International application No. PCT/FR2004/001528	International filing date ((day/month/year)	Priority date (dav/month/year) 19.06.2003
Applicant UNIVERSITE PARIS 5	national classification and	d IPC	
Box No. IV Lack of unity Box No. V Reasoned state applicability Box No. VI Certain docu Box No. VII Certain defends Box No. VIII Certain obse 2. FURTHER ACTION If a demand for international preliminary Examining Athan this one to be the IPEA and the othis International Searching Authority If this opinion is, as provided above.	opinion shment of opinion with reg y of invention atement under Rule 43bis. r; citations and explanation aments cited cts in the international approximation on the internation minary examination is manually examination in the prior of the prio	gard to novelty, invent I(a)(i) with regard to a supporting such state plication al application ade, this opinion will that this does not applicate the International Burd n opinion of the IPEA before the expiration	Il be considered to be a written opinion of the oly where the applicant chooses an Authority other eau under Rule 66.1bis(b) that written opinions of a, the applicant is invited to submit to the IPEA a of 3 months from the date of mailing of Form
Name and mailing address of the ISA/EP		Authorized officer	
Facsimile No.		Telephone No.	

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Box	No. I	Basis of this opinion
1.		regard to the language, this opinion has been established on the basis of the international application in the language in which it was unless otherwise indicated under this item.
		This opinion has been established on the basis of a translation from the original language into the following language
İ		, which is the language of a translation furnished for the purposes of international search (under
		Rule 12.3 and 23.1(b)).
2.		regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed tion, this opinion has been established on the basis of:
	a.	type of material
	ļ	a sequence listing
	ĺ	table(s) related to the sequence listing
	b.	format of material
		in written format
		in computer readable form
	c.	time of filing/furnishing
		contained in the international application as filed.
		filed together with the international application in computer readable form.
		furnished subsequently to this Authority for the purposes of search.
3.		In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4.	Addit	ional comments:
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Statement		
Novelty (N)	Claims	
	Claims 1-5	
Inventive step (IS)	Claims	· .
	Claims 1-5	
Industrial applicability (IA)	Claims 1-5	
	Claims	

Reference is made to the following documents:

D1: US-A-5 650 389

D2: WO 00/40278 A

D3: US-B1-6 579 978

D4: WO 01/43789 A

D5: FISCHER JENS W ET AL: "Local expression of bovine decorin by cell-mediated gene transfer reduces neointimal formation after balloon injury in rats" CIRCULATION RESEARCH, vol.86, no.6, 31 March 2000, pages 676-683.

Novelty

D1 (claims 14,15,17) discloses the use of decorin in a coating for a medical device, such as a catheter or an implant. D1 anticipates the subject matter of claims 1-5.

D2-D4 disclose coating for prostheses comprising various types of extracellular matrix (fibronectin, hyaluronic acid) inhibitors. The subject matter of claims 1,3 and 5 is thus not novel in relation to documents D2-D4.

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Box No. V

Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

Inventive Step

Even if, after amendment, the subject matter of an independent claim should be novel, said claim would not necessarily involve an inventive step. Based on the definition of the technical problem to be solved as mentioned in the present description (page 2, line 26 - page 3, line 6), said technical problem is defined as being that of providing prostheses capable of preventing arterial restenosis.

There are no experimental data in the description as filed that make it possible to affirm that the technical problem is solved by all the variants claimed or, at least, by the preferred example.

D5 already discloses the positive effect of decorin on the size of atherosclerotic lesions and it thus appears to be obvious to a person skilled in the art to combine the information disclosed in the combination of documents D1-D4 (considered to be the closest prior art) with D5 in order to solve the technical problem.

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Box No. VII

Certain defects in the international application

The following defects in the form or contents of the international application have been noted:

Contrary to the requirements of PCT Rule 5.1 (a)(ii), the relevant prior art disclosed in documents D1-D6 is not mentioned in the description, nor are these documents identified therein.

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Box No. VIII

Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

The subject matter of claims 1-5 is not clear (PCT Article 6) because of the use of the expression "biological platform " and of the expression "regulators" (claim 1) and "regulator of extracellular matrix synthesis". It should be noted that the expression "regulators" groups together both inhibitors and stimulators (of extracellular matrix synthesis).